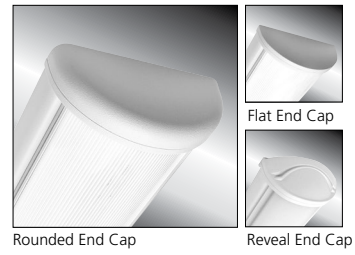# MILLENIUM STRETCH™

MLHA8 SERIES

PRODUCT FEATURES:

» 8" linear surface mount luminaire with multiple length options

» Extruded aluminum housing with decorative end caps

» Low-profile –ADA compliant

» Peace of Mind Guarantee® against breakage

Flat End Cap

Rounded End Cap

Reveal End Cap

SPECIFICATIONS

HOUSING: Extruded marine grade aluminum body with die-cast aluminum end caps. Closed cell EPDM and silicone gasketing along lens channel and end caps. TGIC polyester powder coat finished – 5-step pre-treatment. See Ordering Information for available finishes.

OPTIC: UV-Stabilized, high-efficiency diffused polycarbonate with smooth exterior and linear prismatic interior. Lens securely positioned in body channels and endcaps, locked into place with concealed tamper-resistant Torx® T-20 with center pin fasteners.

END CAPS: Marine grade die-cast aluminum. Three styles available: Flat, Rounded and Reveal. Conduit and "Wiremold™ ready" knockouts visible only from interior of end cap (Flat and Rounded styles only).

HARDWARE: Stainless steel, tamper-resistant Torx T-20 center pin fasteners secure lens in housing body's lens channel (four on 24" and 48" lengths; eight on 96" length).

LED MODULE: Serviceable mid-power LED array. Minimum 80 CRI standard (R9>0), consult factory for optional 90CRI (R9>50). Maximum three-step MacAdam ellipse variation. See Ordering Information for available color temperature options.

DRIVER: 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable constant-current driver (<20% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities; 0.4mA maximum source current.

CONTROLS: TekLink™ TL50 is an independent lighting control system integral to the luminaire, featuring its own embedded occupancy sensor and adjustable time-out/dimming settings and a closed-loop daylight harvesting function for maximum energy savings. TekLink™ TL100 is a centralized, wired zonal occupancy and closed-loop daylight harvesting control system. TL100 controllers are standalone devices and are ordered separately from the luminaire(s). Click here for specifications. MS Option: Optional embedded microwave motion sensor mounted behind the diffuser. Remote adjustment for dim level, timeout period and sensor sensitivity settings. Factory default is 30% dimming and 20min. timeout. Sensor operates at 5.8 GHz (continuous-wave radar) and provides 360° coverage at various mounting heights and coverage areas. Available with compatible third party controls. To see the full list of compatible controls, click here.

INSTALLATION: Surface ceiling, vertical or horizontal wall, corner mount (CMB) or suspended pendant mounting (PM). Standard four-point mounting (24" length), six-point mounting (48" length) or twelve-point mounting (96" length) required for Peace of Mind Guarantee®. Suitable for -30°C to 40°C ambient environments, unless otherwise noted.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric information, go to www.kenall.com.

WARRANTY: Limited ten (10) year LED warranty. Peace of Mind Guarantee against breakage.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location installations. IP64 rating per IEC60598 – ceiling mount. Corner, horizontal wall and pendant mount installation – Damp Location only. ADA compliant. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08. Build America, Buy America Act compliant.

LED | PEACE OF MIND Guarantee® | c(ETL)us | IP64 | ADA | IK10 | BABA

ORDERING INFORMATION (Ex: MLHA8-48-F-MB-PP-45L40K-DCC-DV-LEL)

Model	Length	End Cap	Finish	Lens	Lamp Code	Driver Type	Voltage	Options	Accessories	TekLink	Controls Kit
MLHA8	___	___	___	**PP**	___	**DCC**	___	___	___	___	**< >**

Length
24   2'
48   4'
96   Two 4' (factory connected)

End Caps
F   Flat
R   Rounded
RV   Reveal

Finish
LG   Light Gray
MB   Matte Black
MW   Matte White
CC   Custom Color (Consult Factory)

Lens
PP   Pearlescent Polycarbonate

Lamp Code
2' Lengths
25L35K   25 Watt 3500K LED
25L40K   25 Watt 4000K LED
25L50K   25 Watt 5000K LED

4' Lengths
45L35K   45 Watt 3500K LED
45L40K   45 Watt 4000K LED
45L50K   45 Watt 5000K LED
67L35K   67 Watt 3500K LED
67L40K   67 Watt 4000K LED
67L50K   67 Watt 5000K LED
90L35K   90 Watt 3500K LED
90L40K   90 Watt 4000K LED
90L50K   90 Watt 5000K LED

Driver Type
DCC   0-10V Dimming Constant Current

Input Voltage
DV   120-277VAC, 50/60Hz
347   347VAC, 60Hz

Options
LEL▲   Integral 10W Emergency Battery Backup (4' length only, 45L max, 0°C minimum operating temperature)
CDF   Captive Diffuser Fasteners
DL   Damp Location (Interior use NO gasketing)
FS   Single Fuse & Holder
NAT   Natatorium Environment Option
PH   Phillips Head Fasteners
PM‡   Pendant Mount (Max. 3/8NPT stems by others; damp only)
MS▲   Motion Sensor
NLW▲   2700K White LED Night Light
NLA▲   Amber LED Night Light

Accessories
CMB‡   Corner Mount Bracket (Must be ordered with DL Option)

TekLink
TL50*   TL50 Control System (Click here for specifications)
TL100   TL100 Control System (Click here for specifications)

Please consult Kenall Applications when ordering controls. Mounting heights above 14' may require alternate sensing technology.

Controls Kit
<   >   Factory Assigned Internal Code

▲   n/a with 347V
‡   PM and CMB not available in conjunction
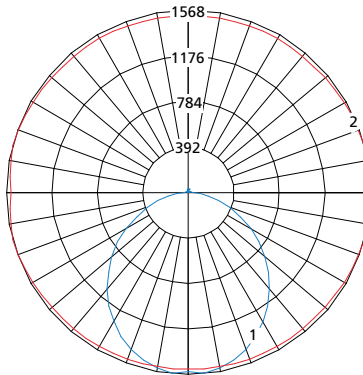*   n/a with with MS or CMB options. n/a with 96" length. n/a with 347V.

MILLENIUM STRETCH™
MLHA8 SERIES

PERFORMANCE

Length	Lamp Type	Initial Delivered Lumens @ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
2'	25L35K	2,379	95	25	100	150,000
	25L40K	2,536	101	25	100	150,000
	25L50K	2,536	101	25	100	150,000
4'	45L35K	4,758	97	49	100	150,000
	45L40K	5,072	104	49	100	150,000
	45L50K	5,072	104	49	100	150,000
	67L35K	7,284	100	73	75	150,000
	67L40K	7,765	106	73	75	150,000
	67L50K	7,765	106	73	75	150,000
	90L35K	9,252	94	98	100	150,000
	90L40K	9,864	101	98	100	150,000
	90L50K	9,864	101	98	100	150,000

Visit www.kenall.com for IES files and additional information. Information is subject to change without notice.

Model: MLHA8-48-F-MW-PP-45L40K-DCC-DV
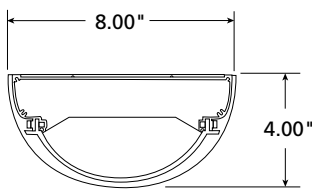

1568
1176
784
392
2
1

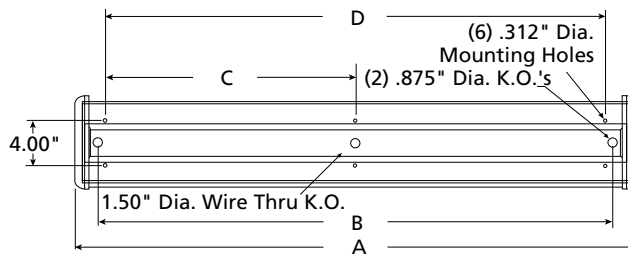Maximum Candela = 1568 Located At Horizontal Angle = 15, Vertical Angle = 5

— 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
— 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA
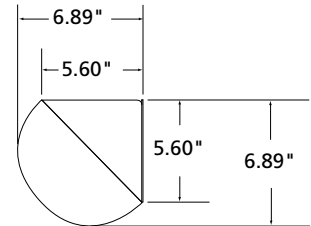
CROSS SECTION/DETAILS

8.00"
4.00"

MOUNTING HOLES

D
C
(6) .312" Dia. Mounting Holes
(2) .875" Dia. K.O.'s
4.00"
1.50" Dia. Wire Thru K.O.
B
A

CORNER MOUNT BRACKET

6.89"
5.60"
5.60"
6.89"

Nominal Two Foot Fixture Legend

End Cap	A	B	C	D
R	26.524	22.312	N/A	21.000
F	25.308	22.312	N/A	21.000
RV	28.632	22.312	N/A	21.000

Nominal Four Foot Fixture Legend

End Cap	A	B	C	D
R	50.524	46.312	22.500	45.000
F	49.308	46.312	22.500	45.000
RV	52.632	46.312	22.500	45.000